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RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/918,601

TIME: 15:17:37

Input Set : A:\A64260-5.txt

Output Set: N:\CRF3\11062001\I918601.raw

3 <110> APPLICANT: Nolan, Garry P
5 <120> TITLE OF INVENTION: METHODS FOR SCREENING FOR TRANSDOMINANT INTRACELLULAR
6 EFFECTOR PEPTIDES AND RNA MOLECULES
8 <130> FILE REFERENCE: A-64260-5/RMS/AMS
10 <140> CURRENT APPLICATION NUMBER: US 09/918,601
C--> 11 <141> CURRENT FILING DATE: 2001-10-15 04
13 <150> PRIOR APPLICATION NUMBER: US 09/727,715
14 <151> PRIOR FILING DATE: 2000-11-28
16 <150> PRIOR APPLICATION NUMBER: US 08/963,368
17 <151> PRIOR FILING DATE: 1997-11-03
19 <150> PRIOR APPLICATION NUMBER: US 08/589,109
20 <151> PRIOR FILING DATE: 1996-01-23
22 <150> PRIOR APPLICATION NUMBER: US 08/589,911
23 <151> PRIOR FILING DATE: 1996-01-23
25 <150> PRIOR APPLICATION NUMBER: US 08/789,333
26 <151> PRIOR FILING DATE: 1997-01-23
28 <150> PRIOR APPLICATION NUMBER: US 08/787,738
29 <151> PRIOR FILING DATE: 1997-01-23
31 <160> NUMBER OF SEQ ID NOS: 102
33 <170> SOFTWARE: PatentIn Ver. 2.0
35 <210> SEQ ID NO: 1
36 <211> LENGTH: 48
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Description of Artificial Sequence: random
42 sequence.
44 <220> FEATURE:
45 <221> NAME/KEY: misc_feature
46 <222> LOCATION: (7)..(35)
47 <223> OTHER INFORMATION: The n(s) at positions
48 7,8,10,11,13,14,16,17,19,20,22,23,25,26,28,29,31,3
49 2,34,35 can be any nucleic acid.
51 <400> SEQUENCE: 1
W--> 52 atggggaankn nknknknknkn knknknknkn nnknknkgggg ggcccccc 48
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 16
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: random
61 sequence.
63 <220> FEATURE:
64 <221> NAME/KEY: VARIANT
65 <222> LOCATION: (3)..(12)
66 <223> OTHER INFORMATION: The Xaa(s) at positions 3-12 can be any amino
67 acid.

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69 <400> SEQUENCE: 2

W--> 70 Met Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Gly Pro Pro

71 1 5 10 15

74 <210> SEQ ID NO: 3

75 <211> LENGTH: 4

76 <212> TYPE: PRT

77 <213> ORGANISM: Artificial Sequence

79 <220> FEATURE:

80 <223> OTHER INFORMATION: Description of Artificial Sequence: molecular

81 flexibility/stability sequence.

83 <400> SEQUENCE: 3

84 Gly Gly Pro Pro

85 1

88 <210> SEQ ID NO: 4

89 <211> LENGTH: 61

90 <212> TYPE: PRT

91 <213> ORGANISM: Artificial Sequence

93 <220> FEATURE:

94 <223> OTHER INFORMATION: Description of Artificial Sequence: coiled-coil

95 structure.

97 <400> SEQUENCE: 4

98 Met Gly Cys Ala Ala Leu Glu Ser Glu Val Ser Ala Leu Glu Ser Glu

99 1 5 10 15

101 Val Ala Ser Leu Glu Ser Glu Val Ala Ala Leu Gly Arg Gly Asp Met

102 20 25 30

104 Pro Leu Ala Ala Val Lys Ser Lys Leu Ser Ala Val Lys Ser Lys Leu

105 35 40 45

107 Ala Ser Val Lys Ser Lys Leu Ala Ala Cys Gly Pro Pro

108 50 55 60

111 <210> SEQ ID NO: 5

112 <211> LENGTH: 6

113 <212> TYPE: PRT

114 <213> ORGANISM: Artificial Sequence

116 <220> FEATURE:

117 <223> OTHER INFORMATION: Description of Artificial Sequence: loop

118 structure.

120 <400> SEQUENCE: 5

121 Gly Arg Gly Asp Met Pro

122 1 5

125 <210> SEQ ID NO: 6

126 <211> LENGTH: 69

127 <212> TYPE: PRT

128 <213> ORGANISM: Artificial Sequence

130 <220> FEATURE:

131 <223> OTHER INFORMATION: Description of Artificial Sequence: minibody

132 presentation structure.

134 <400> SEQUENCE: 6

135 Met Gly Arg Asn Ser Gln Ala Thr Ser Gly Phe Thr Phe Ser His Phe

136 1 5 10 15

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138 Tyr Met Glu Trp Val Arg Gly Gly Glu Tyr Ile Ala Ala Ser Arg His
139           20           25           30
141 Lys His Asn Lys Tyr Thr Thr Glu Tyr Ser Ala Ser Val Lys Gly Arg
142           35           40           45
144 Tyr Ile Val Ser Arg Asp Thr Ser Gln Ser Ile Leu Tyr Leu Gln Lys
145           50           55           60
147 Lys Lys Gly Pro Pro
148 65
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 7
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: nuclear
158     localization sequence.
160 <400> SEQUENCE: 7
161 Pro Lys Lys Lys Arg Lys Val
162 1           5
165 <210> SEQ ID NO: 8
166 <211> LENGTH: 6
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: nuclear
172     localization sequence.
174 <400> SEQUENCE: 8
175 Ala Arg Arg Arg Arg Pro
176 1           5
179 <210> SEQ ID NO: 9
180 <211> LENGTH: 10
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: nuclear
186     localization sequence.
188 <400> SEQUENCE: 9
189 Glu Glu Val Gln Arg Lys Arg Gln Lys Leu
190 1           5           10
193 <210> SEQ ID NO: 10
194 <211> LENGTH: 9
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: nuclear
200     localization sequence.
202 <400> SEQUENCE: 10
203 Glu Glu Lys Arg Lys Arg Thr Tyr Glu
204 1           5
207 <210> SEQ ID NO: 11

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208 <211> LENGTH: 20
 209 <212> TYPE: PRT
 210 <213> ORGANISM: Artificial Sequence
 212 <220> FEATURE:
 213 <223> OTHER INFORMATION: Description of Artificial Sequence: nuclear
 214 localization sequence.
 216 <400> SEQUENCE: 11
 217 Ala Val Lys Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys
 218 1 5 10 15
 220 Lys Lys Leu Asp
 221 20
 224 <210> SEQ ID NO: 12
 225 <211> LENGTH: 31
 226 <212> TYPE: PRT
 227 <213> ORGANISM: Artificial Sequence
 229 <220> FEATURE:
 230 <223> OTHER INFORMATION: Description of Artificial Sequence: signal
 231 sequence.
 233 <400> SEQUENCE: 12
 234 Met Ala Ser Pro Leu Thr Arg Phe Leu Ser Leu Asn Leu Leu Leu Leu
 235 1 5 10 15
 237 Gly Glu Ser Ile Leu Gly Ser Gly Glu Ala Lys Pro Gln Ala Pro
 238 20 25 30
 241 <210> SEQ ID NO: 13
 242 <211> LENGTH: 21
 243 <212> TYPE: PRT
 244 <213> ORGANISM: Artificial Sequence
 246 <220> FEATURE:
 247 <223> OTHER INFORMATION: Description of Artificial Sequence: signal
 248 sequence.
 250 <400> SEQUENCE: 13
 251 Met Ser Ser Phe Gly Tyr Arg Thr Leu Thr Val Ala Leu Phe Thr Leu
 252 1 5 10 15
 254 Ile Cys Cys Pro Gly
 255 20
 258 <210> SEQ ID NO: 14
 259 <211> LENGTH: 51
 260 <212> TYPE: PRT
 261 <213> ORGANISM: Artificial Sequence
 263 <220> FEATURE:
 264 <223> OTHER INFORMATION: Description of Artificial Sequence: transmembrane
 265 domain sequence.
 267 <400> SEQUENCE: 14
 268 Pro Gln Arg Pro Glu Asp Cys Arg Pro Arg Gly Ser Val Lys Gly Thr
 269 1 5 10 15
 271 Gly Leu Asp Phe Ala Cys Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly
 272 20 25 30
 274 Ile Cys Val Ala Leu Leu Leu Ser Leu Ile Ile Thr Leu Ile Cys Tyr
 275 35 40 45

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Input Set : A:\A64260-5.txt

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277 His Ser Arg
 278 50
 281 <210> SEQ ID NO: 15
 282 <211> LENGTH: 33
 283 <212> TYPE: PRT
 284 <213> ORGANISM: Artificial Sequence
 286 <220> FEATURE:
 287 <223> OTHER INFORMATION: Description of Artificial Sequence: transmembrane ✓
 288 sequence.
 290 <400> SEQUENCE: 15
 291 Met Val Ile Ile Val Thr Val Val Ser Val Leu Leu Ser Leu Phe Val
 292 1 5 10 15
 294 Thr Ser Val Leu Leu Cys Phe Ile Phe Gly Gln His Leu Arg Gln Gln
 295 20 25 30
 297 Arg
 301 <210> SEQ ID NO: 16
 302 <211> LENGTH: 37
 303 <212> TYPE: PRT
 304 <213> ORGANISM: Artificial Sequence
 306 <220> FEATURE:
 307 <223> OTHER INFORMATION: Description of Artificial Sequence: membrane ✓
 308 anchor sequence.
 310 <400> SEQUENCE: 16
 311 Pro Asn Lys Gly Ser Gly Thr Thr Ser Gly Thr Thr Arg Leu Leu Ser
 312 1 5 10 15
 314 Gly His Thr Cys Phe Thr Leu Thr Gly Leu Leu Gly Thr Leu Val Thr
 315 20 25 30
 317 Met Gly Leu Leu Thr
 318 35
 321 <210> SEQ ID NO: 17
 322 <211> LENGTH: 14
 323 <212> TYPE: PRT
 324 <213> ORGANISM: Artificial Sequence
 326 <220> FEATURE:
 327 <223> OTHER INFORMATION: Description of Artificial Sequence: myristylation ✓
 328 sequence.
 330 <400> SEQUENCE: 17
 331 Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg
 332 1 5 10
 335 <210> SEQ ID NO: 18
 336 <211> LENGTH: 26
 337 <212> TYPE: PRT
 338 <213> ORGANISM: Artificial Sequence
 340 <220> FEATURE:
 341 <223> OTHER INFORMATION: Description of Artificial Sequence: palmitoylation ✓
 342 sequence.
 344 <400> SEQUENCE: 18
 345 Leu Leu Gln Arg Leu Phe Ser Arg Gln Asp Cys Cys Gly Asn Cys Ser
 346 1 5 10 15

Use of n and / or Xaa has been detected in the
 Sequence Listing. Review the Sequence Listing
 to ensure a corresponding explanation is present
 in the <220> to <223> fields of each sequence
 using n or Xaa.

VERIFICATION SUMMARY

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38

L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42

L:807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42

L:835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43

L:878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44

L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44

L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45

L:955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46

L:958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46

L:980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47

L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48

L:1017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49

L:1039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50

L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53

L:1121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55

L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56

L:1290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61

L:1315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62

L:1534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80

L:1566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82

L:1772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98

L:1811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100